Amendments in the claims

Please amend the claims as set forth below.

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1. (Currently Amended) An assembly forming a seal with a built-in multi-pole magnetic encoder, intended to be mounted between a stationary support and a rotating support forming part of a rolling bearing, the assembly comprising:

a stationary armature adapted to be secured to ~~a~~ the stationary support, the stationary armature defining an interior region and an exterior region; and

a moving armature bearing the encoder and adapted to be secured to the rotating support such that the moving armature is in the interior region; and

~~the assembly being capable of having no means allowing the association of a sensor past which the encoder can move;~~

a sensor mounted in the exterior region spaced from and disassociated with the stationary armature

wherein the multi-pole magnetic encoder comprises a low even number of poles to allow an exterior lateral face of the stationary armature to be distanced from the sensor such that magnetic flux of the encoder may be detected by the sensor through the stationary armature.

2. (Currently Amended) An assembly according to claim 1, further comprising a seal secured to the stationary armature, the seal comprising at least one dynamic means ~~such as a lip rubbing~~ configured for engagement against the rotating support~~, the seal having no static sealing heel~~.

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3. (Currently Amended) An assembly according to claim 1, further comprising a seal that covers an exterior lateral face of a seal support wall of the stationary armature, the seal comprising a static sealing heel in contact with an upper exterior lateral wall of the stationary support, and at least one dynamic sealing means ~~running~~ configured for engagement against the rotating support.

4. (Original) An assembly according to claim 1, wherein the moving armature comprises a first wall and a third wall which is offset axially toward the exterior with respect to the first wall, the first wall being connected via a connection fillet to a first cylindrical surface by which the moving armature bears against the moving support, the third wall bearing the magnetic encoder.

5. (Original) An assembly according to claim 4, wherein the moving armature comprises a base piece that has a cutout forming a fourth radial annular wall, offset toward the exterior, coated in the material of which the magnetic encoder is made.

6. (Original) An assembly according to claim 1, wherein a first annular wall and a second annular wall of the moving armature form an annular groove with an opening facing toward the exterior.

7. (Currently Amended) An assembly according to claim 6, wherein the annular groove in axial section exhibits a general U-shape or general V-shape ~~U-shaped or pseudo-U-shaped or V-shaped or pseudo-V-shaped profile~~.

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8. (Currently Amended) An assembly according to claim 7, wherein ~~the~~ an exterior lateral face of the groove comprises bearing surfaces for at least one dynamic sealing lip.

9. (Original) An assembly according to claim 1, wherein the encoder comprises a disk made of an elastomer filled with strontium ferrite or with barium ferrite.

10. (Currently Amended) An assembly according to claim 1, having a seal comprising~~,~~ ~~starting from the stationary support and working toward the rotating support:~~ a static sealing heel; an annular band; and at least one dynamic seal lip.

11. (Currently Amended) An assembly according to claim 10, wherein ~~a~~ the dynamic seal ~~sealing~~ lip is configured to bear ~~bears~~ against an exterior lateral face of the rotating support.

12. (Original) An assembly according to claim 1, in combination with a sealed rolling bearing comprising a stationary support or ring and a rotating support or ring.

13. (Currently Amended) An assembly in combination with a rolling bearing according to claim 12, wherein an exterior lateral surface of the stationary armature is offset toward the interior region with respect to a plane tangential to an exterior lateral face ~~faces~~ of the bearing stationary support or ring.

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14. (Currently Amended) An assembly in combination with a rolling bearing according to claim 12, wherein an exterior lateral surface of the stationary armature extends along ~~is practically contained in~~ a plane tangential to ~~the~~ an exterior lateral face ~~faces~~ of the bearing stationary support or ring ~~supports or rings~~.

15. (Original) An assembly in combination with a rolling bearing according to claim 12, further comprising a sensor of the magneto resistor or Hall-effect probe type, characterized in that with the number of pairs of poles fixed at the lowest possible value N for a given air gap, an electronic circuit coupled to the sensor maintains a signal quality identical to the quality that could have been obtained with an encoder comprising a number of pairs of poles equal to 2N.

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